

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete If Known	
		Application Number	10/574,554
		Filing Date	April 3, 2006
		First Named Inventor	Leonardo de Maria et al
		Art Unit	3617
Examiner Name	TBA		
Attorney Docket Number	10508.204-US		
Sheet	1	of	5

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/W/M/		US 5,312,748	05-17-1994	Liu et al.	
/W/M/		US 3,966,971	06-29-1976	Morehouse et al.	
/W/M/		US 4,073,884	02-14-1978	Hartdegen et al.	
/W/M/		US 5,047,240	09-10-1991	Hooreman	
/W/M/		US 3,868,448	02-25-1975	Hahn et al.	
/W/M/		US 3,823,072	07-09-1974	Hooreman	
/W/M/		US 3,683,069	08-08-1972	Hooreman	
/W/M/		US 3,723,250	03-27-1973	Aunstrup et al.	
/W/M/		US 4,518,697	05-21-1985	Bartnik et al.	
/W/M/		US 5,811,382	09-22-1998	Damhus et al.	
/W/M/		US 5,705,379	01-06-1998	Wilson et al.	
/W/M/		US 5,646,028	07-08-1997	Leigh	
/W/M/		US 6,855,548	02-15-2005	Sjoeholm et al	
/W/M/		US 7,179,630	02-20-2007	Lassen et al	
/W/M/		US 2006/0147499	07-06-2006	Oestergaard et al	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
/W/M/		WO 96/05739	02-29-1996	Finnfeeds		
/W/M/		WO 95/21540	08-17-1995	The Quaker Oats Co.		
/W/M/		WO 99/53038	10-21-1999	Genencor		
/W/M/		WO 91/10723	07-25-1991	Novo Nordisk		
/W/M/		WO 95/28850	11-02-1995	Novo Nordisk		
/W/M/		WO 95/02044	01-19-1995	Novo Nordisk		
/W/M/		EP 0 897 985	02-24-1999	F. Hoffmann		
/W/M/		EP 0 130 756	01-09-1985	Genentech		
/W/M/		WO 98/56260	12-17-1998	Cultor Corp		
/W/M/		EP 0 300 466	01-25-1989	Cangene		
/W/M/		EP 0 647 710	04-12-1995	Shinogi		
/W/M/		JP 2003284571	10-07-2003	Yamato Chemicals		
/W/M/		WO 2004/072221	08-26-2004	Novozymes A/S		
/W/M/		EP 0 506 448	09-30-1992	The Clorox Co.		
/W/M/		WO 2004/111219	12-23-2004	Novozymes		
/W/M/		DD 200432	09-08-1981	Akademi der wissenschaften der DDR		
/W/M/		WO 01/58276	08-16-2001	F. Hoffmann		
/W/M/		WO 2004/111219	12-23-2004	Novozymes		

Duplicate citation.

Examiner Signature	/William Moore/	Date Considered	10/12/2009
--------------------	-----------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/574,554
				Filing Date	April 3, 2006
				First Named Inventor	Leonardo de Maria et al
				Art Unit	3617
				Examiner Name	TBA
Sheet	2	of	5	Attorney Docket Number	10508.204-US

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents, Washington, DC 20231.

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
/W.M./		Caine et al., Animal Feed Science Technology, Vol. 71, pages 177-183 (1998)	
/W.M./		Gill et al., Analytical Biochemistry, Vol. 182, pages 319-326 (1989)	
/W.M./		Michalik et al., Urk. Biokhim. Zh. Vol. 69, No. 3, pages 28-35 (1997) Abstract only	
/W.M./		Needleman et al., Journal of Molecular Biology, Vol. 48, pages 443-453 (1970)	
		Refolio et al., Aquaculture, Vol. 162, pages 301-312 (1999)	
		Incomplete submission.	
/W.M./		Smith et al., Analytical Biochemistry, Vol. 150, pages 76-85 (1985)	
/W.M./		Alschul et al., SEQ ID NO 2 SERINE PROTEINASE, GenPept, Access PQ0104 (1997)	
/W.M./		MEROPS Database, Alignment of Subfamily S1E peptidases (2004)	
/W.M./		Sidhut et al., The Journal of Biological Chemistry, Vol. 269, No. 31, pages 20167-20171 (1994)	
/W.M./		Henderson et al., Journal of Bacteriology, Vol. 169, No. 8, pages 3778-3784 (1987)	

Examiner Signature	/William Moore/	Date Considered	10/12/2009
--------------------	-----------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/574,554
				Filing Date	April 3, 2006
				First Named Inventor	Leonardo de Maria et al
				Art Unit	3617
				Examiner Name	TBA
Sheet	3	of	5	Attorney Docket Number	10508.204-US

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
/W.M./		Sequence Alignment with protease disclosed in EP 506448, Derwent GenSeq Nucleotide, accession no. AAQ29011 (2004)	
/W.M./		Gayle et al., The Journal of Biological Chemistry, Vol. 268, No. 29, pages 22105-22111 (1993)	
/W.M./		Whistock et al., Quarterly Reviews of Biophysics, Vol. 36, No. 3, pages 307-340 (2003)	
/W.M./		Sequence Alignment of protein disclosed in PCT/DK96/00013, Accession AAW92997 (1999)	
/W.M./		Sequence Alignment of protein disclosed in WO 2001/58276, Accession no. AAU07125 (2003)	
/W.M./		Sequence Alignment of protein disclosed in PCT/DK96/00013, Accession No. AAX22316 (1999)	
/W.M./		Tsuijibo et al., Journal of Applied Bacteriology, Vol. 69, No. 4, pages 520-529 (1990)	
/W.M./		Tsuijibo et al., Agric. Biol. Chem. Vol. 54 No 8, pages 2177-2179 (1990)	
/W.M./		Sequence Alignment with protease disclosed in EP 506448, Derwent GenSeq Nucleotide, accession no. AAQ29011 (2004)	
/W.M./		Tsuijibo et al., Applied and Environmental Microbiology, Vol. 69, No. 2, pages 894-900 (2003)	

Examiner Signature	/William Moore/	Date Considered	10/12/2009
--------------------	-----------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete If Known	
				Application Number	10/574,554
				Filing Date	April 3, 2006
				First Named Inventor	Leonardo de Maria et al
				Art Unit	3617
				Examiner Name	TBA
Sheet	4	of	5	Attorney Docket Number	10508.204-US

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		O. Fagan et al., Enzyme and Microbiol Technology, Vol. 33, pages 137-140 (2003)	
		Duplicate citation.	
/W.M./		Database EMBL, Accession no. AY151208, Nocardiosis sp. TOA-1 serine protease (napA) gene, complete cds, "XP-002308395 (May 16, 2004)	
/W.M./		Mitsukli et al., Enzyme and Microbiol Technology, Vol. 34, pages 482-489 (2004)	
/W.M./		Kim et al., Korean Biochemical Journal, vol. 26, No. 1, pages 81-85 (1993)	
/W.M./		Moreira et al., World Journal of Microbiology & Biotechnology, Vol. 18, pages 307-312 (2002)	
/W.M./		Higgins et al., Gene, Vol. 73, pages 237-244 (1988)	
/W.M./		Kaneda et al., Journal of Biochemistry, Vol. 78, pages 1287-1296 (1975)	
/W.M./		Barett et al., Handbook of Proteolytic Enzymes (1998)	
		Screen et al., Journal of Biological Chemistry, Vol. 275, No. 9, pages 6680-6694 (2000)	
		Incomplete submission.	
		Lao et al., Applied and Environmental Microbiology, Vol. 62, No. 11, pages 4256-4259 (1996)	
		Incomplete submission.	

Examiner Signature	/William Moore/	Date Considered	10/12/2009
--------------------	-----------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner of Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/574,554
				Filing Date	April 3, 2006
				First Named Inventor	Leonardo de Maria et al
				Art Unit	3617
				Examiner Name	TBA
Sheet	5	of	5	Attorney Docket Number	10508.204-US

[illegible]

Examiner Signature	/William Moore/	Date Considered	10/12/2009
-----------------------	-----------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner of Patents, Washington, DC 20231.